Cat® S61 Smartphone
User Manual

PLEASE READ BEFORE FIRST USE
SAFETY PRECAUTIONS

- Please read this manual and the recommended safety precautions carefully to ensure the correct use of this device.
- Despite its rugged nature; avoid hitting, throwing, crushing, puncturing or bending the device.
- Do not switch on the device in a circumstance when it is prohibited to use devices, or when it may cause interference or danger.
- Never use your device while driving.
- Always follow any device use rules in hospitals and health care facilities, and switch off near medical apparatus.
- Switch off the device or activate aeroplane mode when in an aircraft, as it may cause interference to the vessel's control equipment.
- Switch off your device near high-precision electronic devices as it may affect their performance.
- Do not attempt to disassemble your device or its accessories; only qualified personnel should service or repair it, if needed.
- Do not place the device or its accessories in containers with a strong electromagnetic field.
- Do not place magnetic storage media near the device. Radiation from the device may erase the information stored on it.
- Do not use the device in an environment with flammable gas, such as a gas station, or put the device in a high temperature place.
- Keep the device and its accessories away from young children. Do not allow children to use the device without guidance.
- Only use approved chargers to avoid the risk of explosion.
- Observe any laws or regulations on the use of wireless devices, respecting others' privacy and legal rights.
- For medical implants patient (heart, joints, etc), keep the device 15cm away from the implant and positioned on the opposite side of the implant.
- Strictly follow the relevant instructions of this manual while using the USB cable, otherwise your device or PC may be damaged.
- Measurements from the air quality sensor will be affected if you clean your phone with products that contain VOCs (such as alcohol or disinfectant). It may take up to 72 hours for the sensor to return to normal.

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NOTICE

Some features of the product and its accessories described herein rely on the software installed, capacities and settings of local network, and may not be activated or may be limited by local network operators or network service providers. Therefore, the descriptions in this manual may not exactly match the purchased product or its accessories.

The manufacturer reserves the right to change or modify any information or specifications contained in this manual without prior notice or obligation.

The manufacturer is not responsible for the legitimacy and quality of any products that you upload or download through this device including text, pictures, music, movies, and non-built-in software with copyright protection. Any consequences arising from the installation or usage of the preceding products on this device is accountable to you.

IMPORT AND EXPORT REGULATIONS

Customers shall comply with all applicable export or import laws and regulations. Customers must obtain all necessary governmental permits and licenses in order to export, re-export or import the product mentioned in this manual including the software and technical data.

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WELCOME TO THE CAT® S61 SMARTPHONE

The truly rugged S61 smartphone is designed for the outdoors, with features to cope with the most challenging environments. It's built to handle the extreme conditions you face every day at work and play. Drop it, dunk it, or forget to charge it - the Cat S61 won't let you down.

Drop-proof onto concrete from an impressive height of 1.8 metres, tough enough to handle thermal shocks and salt mist spray, and waterproof for up to 60 minutes in depths of up to 3 metres – the Cat S61 will stay connected, not matter what life throws at it.

Equipped with a built-in FLIR thermal camera, the S61 gives you clear thermal imagery and multiple spot meters that allow you to retroactively pinpoint a temperature in your image. It is dustproof, and its scratch-resistant FHD display can be read in direct sunlight and can even be used with wet fingers, or when you're wearing gloves.

RUGGED CREDENTIALS

DROPPING YOUR DEVICE:

- Do: Use your device up to a height of 1.8 metres – it is drop proof within this height range.
- Don't: Throw your device with force from above the 1.8-metre range – it is durable, but not indestructible.

WATERPROOFING:

- Do: Use your device in damp and wet conditions – the multi-tap screen works with wet fingers and the device can withstand a depth of up to 3 metres for 60 minutes, and take underwater photos and video.
- Don't: Attempt to use it beyond a 3-metre depth.

DUSTPROOF AND SCRATCHPROOF:

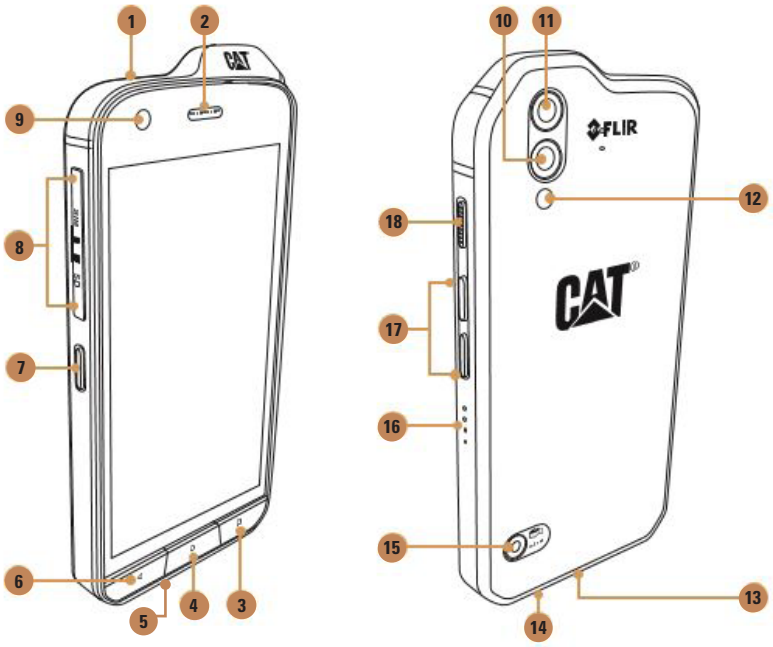
- Do: Use your device in dirty, dusty environments. The Cat S61 is certified IP68 & 69, the highest industry standard for durability, and is dustproof with a scratch resistant screen.

EXTREME TEMPERATURES:

- Do: Use your device within the temperature range of -25° C to + 55° C. It can also handle extreme changes in temperature: shifting between cold and hot, or vice versa very quickly.
- Don't: Use your device outside its operational temperature range of -25° C to +55° C. Due to the metal sides, we recommend using protective gloves to handle the device while outside the operational temperature range.

WHAT'S IN THE BOX

- Device
- Quick start guide
- USB power cable and charging power adapter
- Factory-fitted screen protector (already on device)



1. **HEADSET JACK**
2. **EARPIECE**
3. **RECENT APPS BUTTON**
4. **HOME BUTTON**
5. **MICROPHONE**
6. **BACK BUTTON**
7. **PROGRAMMABLE KEY**
8. **SIM/SD DOOR**
9. **FRONT CAMERA**
10. **REAR CAMERA**
11. **THERMAL CAMERA**
12. **FLASH**
13. **USB PORT**
14. **SPEAKER**
15. **LASER WINDOW**
16. **AIR QUALITY SENSOR**
17. **VOLUME UP/DOWN KEYS**
18. **POWER KEY**

KEY FUNCTIONS

POWER KEY

- Press and hold to turn on the device
- Press and hold to open the **Power off** options when the device is on
- Press to lock or wake the screen when the device is idle
- Press twice to open the **Camera** app when the device is locked
- Press three times in quick succession to launch the **Camera** app in underwater mode when the device is locked

HOME BUTTON

- Press to display Home Screen when the device is unlocked
- Press and hold to use your **Google assistant**
- Press twice to wake the screen when the device is idle

RECENT APPS BUTTON

- Press to open recently used apps

BACK BUTTON

- Press to go back to the previous screen
- Press to close the on-screen keyboard

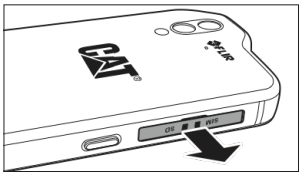
VOLUME UP/DOWN KEY

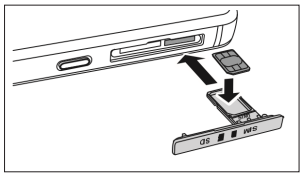
- Volume – press the **Volume up** key to increase, or the **Volume down** key to decrease the volume of the call, ringtone, media or alarm
- Screenshot – press **Power** and **Volume down** keys simultaneously (Screenshots are saved in the photo album)
- Camera app – press **Volume up** key to take photo, press **Volume down** key to switch to Video mode

GETTING STARTED

INSTALLING A NANO SIM AND MEMORY CARD

1. Place your device on a flat surface with the display facing downwards.
2. Use your fingertip to pull out the SIM/SD door.
3. Place the Nano SIM onto the SIM tray with the gold pins facing upwards.
4. Carefully insert the SIM tray back into the SIM card slot.





NOTE:

- The SIM tray is attached to the side door.
- Push the SIM/SD door back in until it is fixed securely.

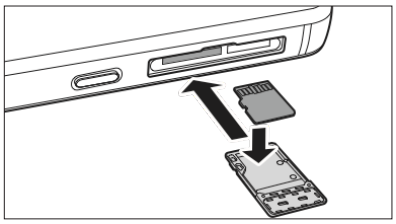
Some devices take two SIM cards.
When two SIM cards are inserted, both SIM card slots can support 4G/3G service.

Configuration of SIM 1: 4G / 3G / 2G
Configuration of SIM 2: 4G / 3G / 2G

If your device takes one SIM card only, the second slot will be used for a memory card.

Follow the steps to insert your memory card.

1. Place your device on a flat surface with the display facing downwards.
2. Use your fingertip to pull out the SIM/SD door.
3. Carefully pull out the memory tray and place on it a microSD card with gold pins facing upwards.
4. Carefully insert the memory card tray into the memory card slot.
5. Carefully insert the SIM tray into the SIM card slot. Then push the SIM/SD door inward until it is securely fixed.



NOTE:

- Do not force the microSD card as this could cause damage.

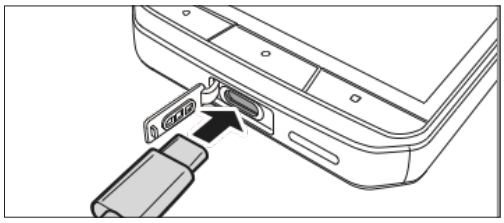
CHARGING THE BATTERY

The S61 battery cannot be removed from the device. To charge it:

1. **Connect the USB cable to the charging power adapter.**
   Use only Cat® approved chargers and cables. Unapproved equipment may cause damage to the device or cause batteries to explode and will void the warranty.

2. **Open the USB port cover and connect the USB cable to the USB port.**

Be careful not to use excessive force when plugging the USB cable. Any damage caused by attempting to insert the connector incorrectly is not covered by the warranty.



3. Connect the USB to the charging power adapter and plug into an AC mains socket.

4. When charging is complete remove the USB cable from the device, before unplugging the power adapter from the mains socket. Close the USB port cover on the device.

IMPORTANT INFORMATION REGARDING FUTURE USE OF BATTERY

If the battery is completely exhausted, your device may not power on immediately after charging starts. Allow the battery to charge for a few minutes before attempting to turn on the phone. The on-screen charge animation may not be displayed during this period.

The time required to charge the battery depends on the environmental temperature and age of the battery.
When the battery power level is low, the device plays an alert and displays a prompt. When the battery power is almost exhausted, your phone will power off automatically.

POWERING YOUR DEVICE ON/OFF

POWER ON

- Press and hold the **Power** key.

The first time you turn on your phone, you will see a Welcome Screen. Select your preferred language and tap **START** to continue the set-up.

NOTE:
- A Wi-Fi or Data connection is required.
- If personal identification number (PIN) protection is enabled on your SIM Card, you will be asked to enter your PIN before the Welcome Screen.
- A Google account is required to use some of the Google services on your device. You will be asked to sign in with your existing Google account, or set up a new account later.

POWERING OFF

1. Press and hold the **Power** key to open the **Power Off** options menu.
2. Tap **Power off**.

TOUCHSCREEN

TOUCHSCREEN ACTIONS

- **Tap:** Use your fingertip to select an item, confirm a selection or start an app on the screen.
- **Tap and hold:** Tap an item with your fingertip and continue to press until the screen responds (e.g. to open the options menu for the active screen, tap the screen and hold until the menu appears).
- **Swipe:** Move your finger across the screen either vertically or horizontally (e.g. swipe left or right to switch between pictures).
- **Drag**: To move an item, tap and hold it with your fingertip then drag it to any part of the screen.

HOME SCREEN

The Home Screen is the starting point for accessing your device's features. It displays app icons, widgets, shortcuts and more. You can customise your Home Screen with different wallpapers and adjust it to display your preferred items.

LOCKING AND UNLOCKING THE SCREEN

LOCKING THE SCREEN

1. If your device is turned on, press the **Power** key to lock the screen. You can still receive messages and calls if the screen is locked.
2. If the device is left undisturbed for a certain period, the screen will lock automatically. You can adjust the length of this.

UNLOCKING THE SCREEN

1. Press the **Power** key to wake up the screen. Then drag the lock icon upwards to unlock the screen. Enter pattern or PIN code if pre-set.
2. To launch the **Camera** app directly from the locked screen, drag the camera icon upwards.
3. To use the **Google Voice Search** function directly from the locked screen, drag the voice search icon upwards.

NOTE:

- If you have set up a Screen lock, you will be prompted to unlock the screen. For details, refer to 'Protecting The Device with a Screen Lock' on page 35.

DISPLAY

DISPLAY LAYOUT

NOTIFICATIONS AND STATUS INFORMATION

The **Status Bar** appears at the top of every screen. This displays notification icons, such as missed calls or received messages (on the left) and phone status icons, such as battery status (on the right), along with the current time.

STATUS ICONS

NOTIFICATIONS ICONS

4G	Connected to 4G mobile network		No signal
LTE	Connected to LTE mobile network		Vibrate mode
3G	Connected to 3G mobile network		Location service is being used
G	Connected to GPRS mobile network		Battery is full
E	Connected to EDGE mobile network		Battery is charging
H	Connected to HSDPA mobile network		FM radio is turned on
H+	Connected to HSPA+ mobile network		Airplane mode
R	Roaming		Connected to a Wi-Fi network
	Mobile network signal strength		Connected to a Bluetooth device
	NFC enabled		

	New email message		Missed call
	Alarm is set		Speakerphone is activated
31	Upcoming event		Phone microphone is muted
	Data is syncing		Downloading data
	Problem with sign-in or sync		New text message
	A Screenshot is captured		Unhealthy or poor air alert message

NOTIFICATION PANEL

You will get a notification when you receive a new message, miss a call, or have an upcoming event. Open the notification panel to see alarms, wireless network operators or to view a message, reminder or event notification.

OPENING THE NOTIFICATION PANEL

1. When a new icon appears, tap the notification bar and then drag down to open the notification panel.
2. Tap a notification to open the related app.

CLOSING THE NOTIFICATION PANEL

1. To close the notification panel, slide the bottom of the panel upwards.
2. To close a notification (without viewing), tap and hold the notification and drag it to the left/right of the screen.

NOTE:
- Notifications preferences can be changed in **Settings > Apps & notifications**.

SHORTCUT ICONS

ADDING A NEW HOME SCREEN ITEM

1. From the Home Screen, swipe up or tap ^ to show all apps.
2. To add an item to your Home Screen, drag its icon to your chosen position.

MOVING A HOME SCREEN ITEM

1. Tap and hold an app icon on the Home Screen until it enlarges.
2. Without lifting your finger, drag the icon to the chosen position on the screen, then release it.

NOTE:
- There must be enough space for an icon to fit on the Home Screen panel.

REMOVING A HOME SCREEN ITEM

1. Tap and hold an app icon on the Home Screen until it enlarges.
2. Without lifting your finger, drag the icon to **Remove**, then release.
3. To uninstall an app, follow steps 1 and 2 dragging the icon to **Uninstall** at the top of the screen.

WIDGETS

A widget lets you preview, or use an app. You can place widgets on your Home Screen as icons or preview windows. Several widgets are already installed on your phone, while more can be downloaded from **Google Play**.

ADDING A WIDGET

1. Tap and hold the Home Screen.
2. Tap the **Widgets** option to see what is available.
3. Drag your chosen widget to the Home Screen.

REMOVING A WIDGET

1. Tap and hold the widget icon on the Home Screen until it enlarges.
2. Without lifting your finger, drag the icon to **Remove** at the top of the screen, then release.

FOLDERS

CREATING A FOLDER

You can group certain apps on your Home Screen by dragging an icon or shortcut and releasing it on top of another. This will create a new folder that you can add to as you choose.

RENAMING A FOLDER

1. Tap a folder to open it.
2. Enter a new folder name in the title bar.
3. Press the **Back** button.

WALLPAPERS

CHANGING YOUR WALLPAPER

1. Tap and hold the Home Screen.
1. Tap **Wallpapers**.
2. Scroll through the available options.
3. Tap **Set Wallpaper** on chosen image – then choose whether to set it as Lock Screen wallpaper, Home Screen wallpaper or both.

TRANSFERRING MEDIA TO AND FROM YOUR DEVICE

Transfer your favourite music and pictures between your device and PC in Media Device MTP mode.

1. Connect your device to your PC with the USB power cable.
2. Open the notification panel and the USB connection options. Tap **USB charging this device** twice to access more options.
3. Tap **Transfer files** to activate the MTP mode.
4. Your device should be displayed as a removable device displaying the phone's internal storage. If a memory card is inserted, microSD card will also be visible. Copy the chosen files to your device.

NOTE:

- If you are using a MAC PC the drivers must be downloaded from: http://www.android.com/filetransfer/

USING AEROPLANE MODE

Some places may require you to switch off data connections. Instead of turning off your device, you can set it to Aeroplane Mode.

1. Tap ^ > **Settings** ⚙.
2. Tap **Network & Internet**.
3. Slide the Aeroplane Mode switch to the right to enable the function.

NOTE:

- You can also access Aeroplane Mode from the Home Screen by dragging down the notification panel.

MAKING A PHONE CALL

There is more than one way to place a call.

1. Dial a number into the keypad.
2. Select a number from your contacts list.
3. Select a number from a web page or document that contains a phone number.

NOTE:

- When you're on a call, you can either answer incoming calls or send them to your voicemail. You can also set up conference calls with several participants.
- When you're on a call, press the **Home** button to return to the Home Screen and use other functions. To return to the calling screen, drag the notification bar down and tap **Current call**.

MAKING A CALL WITH THE KEYPAD

1. From the Home Screen, tap . Then tap to show the keypad.
2. Tap the numeric keys to dial the phone number.
3. After you enter the number, or select the contact, tap .

Tip: Your device supports the **SmartDial** function. As you type a number into the keypad, it automatically searches your contacts and lists options for ones that match the number. You can close the keypad to view more possible matches.

4. After you enter the number, or select the contact, tap .

MAKING A CALL FROM CONTACTS

1. From the Home Screen, tap > **Contacts** to display the contact list. From the keypad, tap the tab to see the contact list.
2. Select a contact.
3. Tap the phone number to call the contact.

MAKING A CALL FROM THE CALL LOG

1. Tap > **Phone** tab to see a list of latest calls. If you cannot find the desired contact, tap > **Call history** to display all call history.
2. Select a contact from the list and tap to make a call.

ANSWERING OR REJECTING A CALL

When you receive a phone call, the incoming call screen will show the caller ID, and any additional caller information that you have entered in **Contacts**.

- To answer a call, tap **ANSWER**.
- To reject the call, tap **DECLINE**.
- To reject the call and send a message directly to the caller, tap the call notification banner and drag the icon upwards, then select one of the available template message options or tap **Write your own** to compose a personal message.

ENDING A CALL

During a phone call, tap to hang up.

OTHER OPERATIONS DURING A CALL

SWITCHING BETWEEN CALLS

If you receive a new call during a current call, you can switch between them.

1. When both calls are in progress, tap .
2. Your current call will be placed on hold and you will be connected to the other call.

CONTACTS

The **Contacts** app lets you save and manage information about your contacts.

OPENING THE CONTACTS APP

When you set up the device, **Contacts** will display a message outlining how to start adding contacts. To open the app, do one of the following:

- Tap and then **Contacts** .
- Tap on the Home Screen, then tap the tab to display your contact list.

NOTE:
- All of your contacts are displayed alphabetically in a scrolling list.

COPYING CONTACTS

You can copy your contacts from the SIM card or saved in internal storage or a memory card.
1. In the contacts list, tap **> Settings > Import**.
2. Do one of the following:
- To import contacts from the SIM card:
  Tap **SIM card**. Select the contact(s) and tap **IMPORT** to import the selected contact(s).
- To import contacts from the internal storage or memory card:
  Tap **.vcf file**. Select the location where to import the contacts and tap the *.vcf file to import the contacts.

BACK UP CONTACTS

You can copy contacts to the SIM card or internal storage.
1. In the contacts list, tap **> Settings > Export**.
2. Do one of the following:
- To export contacts to the SIM card:
  Tap **SIM card**. Select the contact(s) and tap **OK** to copy the selected contact(s).
- To export contacts to the internal storage:
  Tap **Export to .vcf file**. Select the location where to save the contacts and tap **SAVE**.

ADD A NEW CONTACT

1. In the contacts list, tap or to add a new contact.
2. Enter the contact's name, and then add any detailed information such as phone number or address.
3. Tap **SAVE** to store the contact information.

ADDING A NEW CONTACT TO YOUR FAVOURITES

1. Tap the contact you want to add to **Favourites**.
2. Tap ☆ beside the name and the icon turns white and is now added.

SEARCHING FOR A CONTACT

1. In the contacts list, tap to search for a contact.
2. Enter the name of the contact for which you are searching. As you type, contacts with matching names appear below the search box.

EDITING A CONTACT

You can always make changes to the information you have stored for a contact.

1. In the contacts list, tap the contact you want to edit.
2. Tap .
3. Make the desired changes to the contact information, then tap **SAVE**. To cancel any changes press the **Back** button.

COMMUNICATING WITH YOUR CONTACTS

You can reach a contact by phone call, text (SMS) or multimedia message (MMS) from the **Contacts** or **Favourites** tab.

1. In your contacts list, tap a contact to communicate with.
2. You can either:

- Tap the phone number to make a call.
- Or, tap to send message.

DELETING A CONTACT

1. In the contacts list, tap the contact you want to delete.
2. Tap **> Delete**.
3. Tap **Delete** again to confirm.

USING THE ON-SCREEN KEYBOARD

DISPLAYING THE KEYBOARD PANEL

Some apps open the keyboard automatically. In others, tap a text field to open the keyboard. Press the **Back** button to hide the keyboard.

USING THE LANDSCAPE KEYBOARD

If you find it difficult to use the keyboard in portrait orientation, simply turn the device sideways. The screen will now display the keyboard in landscape orientation, providing you with a wider keyboard layout.

CUSTOMISING YOUR KEYBOARD SETTINGS

1. Tap **> Settings > Languages & input**.
2. Do any of the following:

- Tap **Virtual keyboard** to configure the Google keyboard and Google voice typing settings.
- Tap **Physical keyboard** to configure the external keyboard settings.
- Tap **Advanced** to access the input assistance related settings.

WI-FI®

Access to wireless access points (hotspots) is required to use Wi-Fi on your device.

TURNING ON WI-FI AND CONNECTING TO A WIRELESS NETWORK

1. Tap **> Settings > Network & Internet**.
2. Tap **Wi-Fi** and slide the Wi-Fi switch to the right .

3. Choose a Wi-Fi network to connect to from the list.
4. If you select an open network, the device will connect automatically. If you select a network that is secured, you must enter a password and tap **Connect**.

NOTE:

- You will not have to re-enter the password for a secured network if you have connected to it before, unless the device has been reset to its default settings, or if the Wi-Fi password has been changed.
- Obstacles blocking the Wi-Fi signal will reduce its strength.

Tip: On the Wi-Fi settings screen, tap **Add network** to add a new Wi-Fi network.

SMS AND MMS

OPENING MESSAGING

To open the app, do one of the following:

- Tap on the Home Screen.
- Tap > **Messages** .

CREATING AND SENDING A TEXT MESSAGE

You can create a new text message, or open an ongoing message thread.

1. Tap to start a new text message, or tap an existing message thread to open it.
2. Enter a phone number or contact name into the **To** field. When you type, the SmartDial will attempt to match it with the device's contacts. Either tap a suggested recipient or continue to type. If you want to open an existing message thread, simply tap it.
3. Tap the text box to compose your message. If you press the **Back** button while composing a message, it will save as a draft in the message list. Tap the message to resume.
4. When your message is ready to send, tap .

NOTE:

- As you view and send additional messages, a message thread is created.

CREATING AND SENDING A MULTIMEDIA MESSAGE

1. On the messaging screen, tap .
2. Enter a phone number or contact name into the **To** field, or scroll down the contact list to find the contact you wish to message. Tap to start a group conversation.
3. Tap the text box to compose a message.
4. Tap again and select the type of media file. Select the file to attach.
5. Your device is now in multimedia mode. Once you're done, tap .

OPENING AND REPLYING TO A MESSAGE

1. In the message list, tap a text or multimedia message thread to open it.
2. Tap the text box to compose a message.
3. When ready, tap .

CUSTOMISING THE MESSAGE SETTINGS

In the message list, tap > **Settings** to customise your message settings. Choose from:

Default SMS app: Specify the default SMS app (**Messages** is default)

Notifications

- Importance: Set an importance level to your SMS notifications.
- Sound: Set a ringtone for new messages.
- Vibrate: Slide the switch to the right to make the device vibrate for new messages.
- On the lock screen: Choose which notifications pop up on the screen.
- Show notification dot: Choose whether to see a notification dot next to the app.
- Override 'Do not disturb': This will switch on notifications when the phone is set to **Do not disturb** and set to **Priority only**.

Advanced

- Group notification message: Enable this option to automatically combine notification into one group.

BLUETOOTH®

Your Cat S61 device has Bluetooth. It can create a wireless connection with other Bluetooth devices, so you can share files with your friends, talk hands-free with a Bluetooth headset, or even transfer photos from your device to a PC.

If you are using Bluetooth, remember to stay within 10 metres of the Bluetooth device you want to connect to. Be aware that obstacles like walls or other electronic equipment may interfere with the Bluetooth connection.

TURNING ON BLUETOOTH

1. Tap > **Settings** > **Connected devices**.
2. Tap **Bluetooth** and slide the switch to the right to enable the function.

When Bluetooth is turned on, the Bluetooth icon appears in the notification bar.

PAIRING AND CONNECTING A BLUETOOTH DEVICE

Bluetooth lets you do the following:

- Use a hands-free Bluetooth device.
- Use a mono or stereo Bluetooth headset.
- Control what plays through the Bluetooth headset remotely.

Before you use Bluetooth, you need to pair your device with another Bluetooth device as follows:

1. Ensure that the Bluetooth function on your device is enabled.
2. Tap **Pair new device**. Your Cat S61 will then search for Bluetooth devices in range.
3. Tap the device you want to pair with.
4. Follow the on-screen instructions to complete the connection.

NOTE:

- Once a partnership has been created, you will no longer have to enter a password if you connect to that Bluetooth device again.

SENDING FILES VIA BLUETOOTH

With Bluetooth, you can share pictures, videos, or music files with family and friends. To send files via Bluetooth:

1. Tap the file you want to send.
2. Tap > **Bluetooth**, then select a paired device.

DISCONNECTING OR UNPAIRING A BLUETOOTH DEVICE

1. Tap > **Settings** > **Connected devices**.
2. Tap **Bluetooth**.
3. In the connected device option, tap and then tap **FORGET** to confirm the disconnection.

TAKING PHOTOS AND RECORDING VIDEOS

You can use your Cat S61 to shoot and share pictures and videos.

OPENING YOUR CAMERA

To open the camera app, do one of the following:

- Tap on the Home Screen.
- Tap > **Camera**.

Press the **Back** or **Home** button to close the camera.

TAKING A PHOTO

1. Tap > **Camera**.
- By default, the app opens in Camera mode. If not, tap the icon in the bottom right of the screen.

NOTE:

- To switch between front and rear camera, tap or press and hold the **Volume down** key.

2. Compose your photo within the photo capture screen.
- Tap the screen to focus on a specific area.
- Pinch to zoom in/out of the subject.
- Tap to change the camera settings; select a scene mode, set a self-timer, adjust the white balance, adjust the ISO, adjust the anti-flicker or adjust the image properties.

3. Compose your photo within the photo capture screen.
- Tap to take your photo.

NOTE:

- In the **Camera** app, you can also take photos by pressing the **Volume up** key.

VIEWING PHOTOS

To view your photos, do one of the following:

- When in the **Camera** app, tap the thumbnail of the latest captured photo in the bottom left hand corner.

NOTE:

- To go back to Camera view, press the **Back** button or swipe to the left until the capture screen appears again.
- Tap > **Photos** to view all photos and videos.

EDIT AND SHARE PHOTOS

As you browse through your photos, the following options are available:

- Edit: Tap to edit your photos with a range of options available.
- Share: Tap to share your photos through various apps available on your device.
- Delete: Tap to delete the photos you don't want.

SHOOTING A VIDEO

1. Tap > **Camera**.
2. Press the **Volume down** key to switch to Video mode.

NOTE:

- To switch between front and rear camera, tap or tap and hold the **Volume down** key.

3. Tap to start recording.

4. While recording, do one of the following:
- Pinch to zoom in/out on the subject.
- Tap to pause the recording. To resume, tap .
- Tap to turn the microphone off. To turn it back on, tap .
- Tap the screen to take a photo.

5. Tap to stop shooting.

VIEWING YOUR VIDEOS

To view a video after recording, tap the thumbnail of the latest recorded video next to . Then tap to play the video.

TAKING A PANORAMIC PHOTO

1. Tap > **Camera** .
2. Tap , then tap to switch to Panorama mode.
3. Tap to start taking the shot.
4. Choose the direction you want to capture, then slowly move the device in the chosen direction.
5. When the shooting guide reaches the end point, the shooting will end. To manually stop taking the shot, tap .

TAKING AN UNDERWATER PHOTO

1. Tap > **Camera** .
2. Tap , then tap to switch to Underwater mode.

NOTE:

- To switch between front and rear camera, tap or tap and hold the **Volume down** key.

USING PHOTOS

The **Photos** app automatically searches for pictures and videos saved to your device or memory card. Select the album/folder and play as a slideshow, or select items to share with other apps.

OPENING PHOTOS

Tap > **Photos** to open the application. The **Photos** app categorises your pictures and videos by storage location and stores these files in folders. Tap a folder to view the pictures or videos inside.

VIEWING A PHOTO

1. In **Photos**, tap a folder to view the photos inside.
2. Tap the picture to view it in full-screen mode, then swipe left or right to view the previous or next picture.
3. To zoom in on the image, pinch two fingers apart from each other at the location of the screen where you want to zoom in. In zoom mode, swipe your finger up or down and left or right.

Tip: The picture viewer supports the automatic rotation function. When you rotate the device, the picture will adjust itself to the rotation.

CROPPING A PICTURE IN PHOTOS

1. When viewing a picture, tap .
2. Tap and use the cropping tool to select the portion of the picture to crop.
- Drag from the inside of the cropping tool to move it.
- Drag an edge or a corner of the cropping tool to resize the image.
3. Tap **DONE > SAVE** to save the cropped picture.
- To discard the changes, press the **Back** button twice and tap **DISCARD**.

USING THE THERMAL CAMERA

Your Cat S61 includes a thermal camera, which can visualise and measure contrasting surface temperatures. The thermal camera is controlled using the **MyFLIR** app, which you will find on your Home Screen.

NOTE:
- The temperature indicated is always a calculated estimate and should not be taken as an exact measurement.
- The temperature is affected by many factors, including distance to the object and the object's effectiveness in emitting energy as thermal radiation. Temperatures may also be influenced by the time of day, weather conditions, or reflections of other objects in the vicinity.

OPENING YOUR THERMAL CAMERA

1. To open the app, do one of the following:
- Tap on the Home Screen.
- Tap > **MyFLIR** .

Press the **Back** or **Home** button to close the camera.

TAKING A PHOTO

1. By default, the **MyFLIR** app is in Photo mode. Otherwise, tap MODE and select to switch to Photo mode.
2. Compose your photo within the photo capture screen.
- Tap to change the colour palette.
- Tap to configure the camera settings.
- Tap to select video mode. The options are **Infrared with MSX** or **Visual**. Drag the slider to adjust MSX alignment when you are looking at an object close to the phone.
- Tap to add the **Spot Meter** mode.
- Tap to display the **IR Scale** on the right side of the image. The IR Scale shows the relation between colour and temperature in the image. Adjust the IR Scale either by typing in the top/bottom temperature, or by sliding/pinching the IR Scale. Double-tap the IR Scale to set automatic colouring.
- Tap to lock the automatic colouring of the IR image.
- Tap to switch between normal (up to 120° C) and high (up to 400° C) scene dynamic range mode.
- Tap to manually perform an image calibration. See section on **Tuning**.
3. Tap to take your photo.

SHOOTING A VIDEO

1. Tap MODE and select to switch to Video mode.
2. Tap to start recording. To stop shooting, tap .

CREATING A TIME-LAPSE VIDEO

1. Tap MODE and select to switch to **Time-lapse** mode.
2. Tap to open the Time-lapse setting menu. Configure as necessary.
3. Tap to start recording. To stop shooting, tap .

VIEWING YOUR RECORDED PHOTOS OR VIDEOS

Open the latest captured photo or video by tapping the thumbnail image in the bottom right hand corner of the screen.

1. Tap to switch to the **Library** view.
2. Swipe left/right to view the previous/next file.
3. Tap to play a video.
4. Tap to edit a photo. Then tap to change the **Spot Meter** mode; tap to choose between **Infrared with MSX** and **Visual** video, or tap to change colour palette. When complete, tap to save changes.
5. Tap to share the selected file via various apps available on your device.
6. Tap to delete the selected file. Tap **OK** to confirm deletion.
7. Tap to view information about the recorded file, including the date, time, colour pallet, temperature, emissivity and location.
8. Tap to launch **FLIR Tools**, which can also be used to view and edit images.

TUNING

The camera has a mechanical shutter inside that periodically activates and allows the thermal camera to do a calibration or image refresh. When the shutter activates, the image will freeze for a brief period.

The purpose of the shutter is to allow the camera to provide an improved image. The Cat S61 performs the tuning operation automatically on a periodic basis. Note that when the Spot Meter is turned on, the tuning will occur more often.

MEASURING TEMPERATURE WITH SPOT METERS

Use the **Spot Meter** to measure surface temperatures, either on a saved thermal image or from the live thermal camera feed.

1. Tap , and then again from the submenu that appears below.
2. A Spot Meter appears on the display, with a temperature reading.
3. Tap and drag the Spot Meter to another point. You can add up to three Spot Meters.
4. Tap and hold over a Spot Meter to delete it.

FROM A PREVIOUS IMAGE:

1. Tap the **MyFLIR Gallery** , then tap the edit icon.
2. Tap the **Spot Meter** icon, and again from the sub menu.
3. A Spot Meter appears on the display, tap and drag it to your chosen position.
4. You can add up to three Spot Meters. Tap and hold over a Spot Meter to delete it.

NOTE:
To switch between Celsius and Fahrenheit in the live thermal camera feed, select **Menu > Settings**, then slide the **Temperature Unit** switch.

CHANGING COLOUR PALETTES

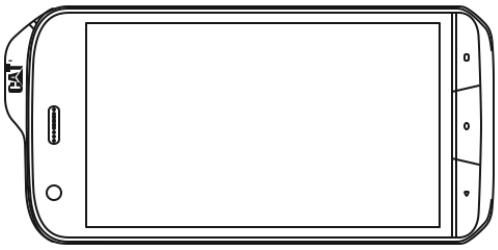
You can select from a range of visualisations for different temperatures by selecting the colour palette icon , and choosing from nine colour schemes.

USING LASER-ASSISTED MEASUREMENT

The Cat S61 is equipped with a laser-assisted distance and area measurement system.

TAKING A DISTANCE MEASUREMENT

1. Tap > **Measure** to launch the app
2. Hold the device horizontally and level, it needs to be parallel to the surface you are measuring for accurate results.



3. Aim the red laser at the back of the device at the surface you wish to measure.
4. Wait for the app to detect the location of the laser dot, indicated by the green square, or tap the location of the laser dot on the screen.

NOTE:
Do not aim laser on a shiny, very bright or transparent target, such as a light-source, glossy metal, glass, etc. otherwise it may cause an inaccurate measurement.

- To adjust the measurement related settings, tap ⚙.
- To adjust the exposure, tap the icon and move the slider up (to increase) or down (to decrease).

5. Tap ◉ to measure the distance.
- Once the laser dot is located in the green square, tap ◉.
- You can fine-tune the alignment of the green crosshair over the centre of the laser dot by dragging the image up, down, left or right.
- The distance will now appear in the top left corner of the screen.
- You can save this image, or exit using the icons on the right of the screen.

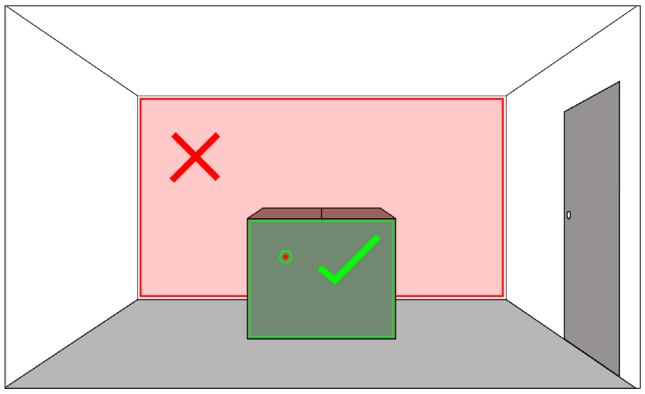
NOTE:
Images will not automatically save, unless you turn on **Auto Save** in Settings.

ADDING ADDITIONAL MEASUREMENTS:

- You can add lines, triangular or square area measurements within an image.
- This can be done immediately after the image is captured, or with an image saved in the Measure gallery.

NOTE:
Additional measurements can only be accurately added to parts of an image that show objects that are the same distance away as the surface on which the laser dot is shown.

For example, if a picture shows a box in front of a wall, and the laser dot is on the box, additional measurements can only be made on the surface of the box. Attempting to measure the wall would give incorrect results.



TAKING A LENGTH MEASUREMENT

1. Follow steps 1-5 for **Taking a distance measurement**.
2. Tap the Line icon .
3. Tap and hold one end of the line. Drag to the edge of the space you wish to measure.
4. Tap and hold the other end of the line and place at other edge of the space.
5. You can fine-tune the end point locations using the pop-up window.
6. The length of the line will now be shown.

TAKING AN AREA MEASUREMENT

1. Follow steps 1-5 for **Taking a distance measurement**
2. Tap the **Triangle** or **Area** icon .
3. Tap and hold and to move each of the corners in turn until you have covered the area you wish to measure.
4. Place each point of the green area box over the area you wish to measure.
5. The length of each line will be shown with the area measurement in the centre.

Tips:
- To remove a line, triangle or area measurement on an image that has not been saved, tap and hold, then select **DELETE**.
- Change the unit of measurement in the **Settings** menu.

- Enable **Auto save** in the **Settings** menu. Each measurement you take will be found in the Re-measure Gallery**.**
- Enable a grid in the **Settings** menu to help with holding your device level.

CALIBRATION

Maintain the accuracy of your measurements by regularly re-calibrating laser/camera alignment.

- Measure the height of a surface using a tape measure.
- Place your device on the surface with the camera and laser pointing over the edge.
- Tap **Calibrate** in the **Settings** menu.
- Enter the tape-measured distance.
- Take a measurement to the dot.
- The device is now calibrated.

USING THE INDOOR AIR QUALITY SENSOR

The Cat S61 comes with an indoor air quality sensor. It detects indoor air pollutants (Volatile Organic Compounds or VOCs) and notifies users.

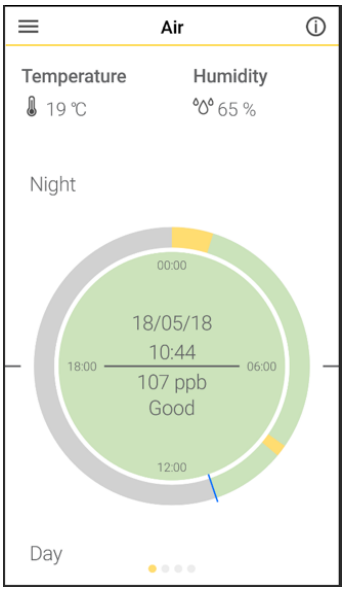
NOTE:
This app is intended to give you a relative indicator of the presence and level of VOCs in your environment. This app is not a tool for checking whether an area is safe. It must not be used in life threatening situations, or where there is a risk of injury or illness.

When the device is new, it may take up to 36 hours to calibrate the VOC sensor. This is because there might be residual VOCs from the manufacturing process that need to work themselves out of your phone.

Measurements from the air quality sensor will be affected if you clean your phone with products that contain VOCs (such as alcohol or disinfectant). It may take up to 72 hours for the sensor to return to normal.

VIEWING THE INFORMATION

1. Tap ^ > **Air** to launch the app.
2. Read the disclaimer and tap **I UNDERSTAND** to dismiss the page.
3. On the main page, the current temperature, humidity level and air quality data appear on the screen.

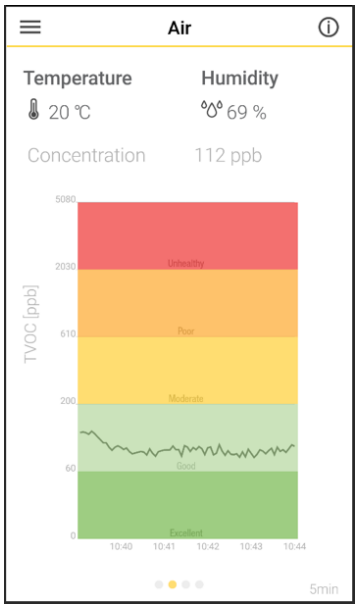


- Swipe left to view more information.
- Tap ☰ > **Settings** to change the alert settings.
- Tap ☰ > **About** to learn more about VOCs.

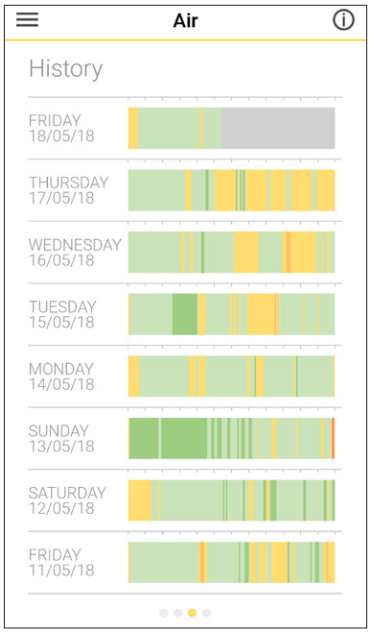
The **ppb** value inside the circle on the app's home screen shows the VOC content of the surrounding air.

The colour of the circle indicates the level of VOCs at a glance. Tap the ⓘ information icon in the top right hand of the screen to learn what each air quality level means.

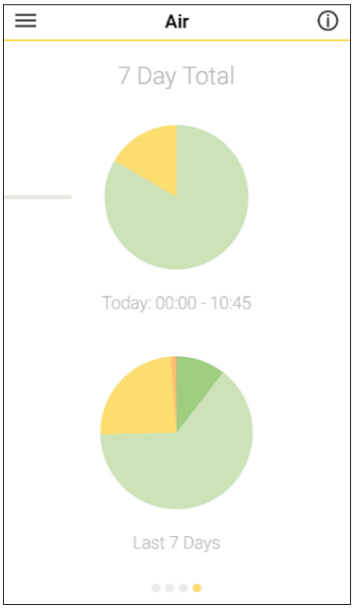
Swipe left to see the VOC level plotted on a graph. Tap this graph to change the timescale between 5 minutes, 10 minutes, 1 hour, 3 hours, 12 hours, and 24 hours.



Swipe the screen to the left again and you'll see a 7-day history of the air quality. This is useful for spotting daily patterns of repeating poor quality air so you can take steps to avoid it.



Swipe left again to see pie charts for the 7-day history (individual days) and a 7-day average.



SETTING ALERTS

In the **Settings** menu, you can set your device to alert you when it detects POOR and/or UNHEALTHY air quality.

The notification will automatically dismiss when the device moves into an area of improved air quality.

TURNING THE 'AIR' SENSOR ON / OFF

You can turn the **Air** sensor on or off in the **Settings** menu within the app.
(WARNING: If you turn off the sensor you will not be alerted to poor air quality).

IF YOUR DEVICE REPORTS PROLONGED UNHEALTHY AIR

If your device is exposed to a concentrated level of VOCs, the sensor may become saturated with VOCs and report unhealthy / poor air after being removed from the VOC rich environment. To bring the reading back down again the device should be taken to an area of fresh air.

The indoor air pollutants detected include:

- Ethanol
- Co
- Hydrogen
- Toluene
- Formaldehyde
- Acetone
- VOC Mix
- Cyclohexan
- Limonene
- Butylacetate

ENJOYING MUSIC

Music files can be transferred from a PC onto your Cat S61 so you can listen to music wherever you are.

COPYING MUSIC TO YOUR DEVICE

1. Connect your device to a computer with the USB power cable.
2. On the PC, navigate to the USB drive and open it.
3. Create a folder in the root directory of your device, (for example, Music).
4. Copy your music from the PC to the new folder.
5. To safely remove your device from the PC, wait until the music has finished copying, then eject the drive as required by your PC's operating system.

OPENING GOOGLE PLAY MUSIC

- Tap the **Google** app on the Home Screen, then tap **Play Music**.
- Tap ☰, then tap **Music library**. It contains five tabs: **PLAYLISTS**, **ARTISTS**, **ALBUMS**, **SONGS**, and **GENRES**.

PLAYING MUSIC

1. Tap a category on the Music library screen.
2. Tap the song you want to play.

Tip: When listening to music, press the **Back** button to use another app and continue listening. To return to the music controls, open the notification panel and tap the song.

ADDING MUSIC TO A PLAYLIST

1. Tap a category on the Music library screen.
2. Tap next to the chosen song, then tap **Add to playlist** in the options menu.
3. Select an existing playlist, or tap **NEW PLAYLIST** to add the song.

PLAYING A PLAYLIST

1. On the Music library screen, tap **PLAYLISTS**.
2. Tap the playlist you want to access.
3. Tap the song you want to play.

LISTENING TO FM RADIO

You can listen to FM radio stations in the **FM Radio** app.

Firstly, connect the headset to the audio jack before opening the app. Then tap ^ **> FM Radio** to launch the app.

NOTE:
To pick up all your favourite stations make sure your Local Regional Band is set correctly. To change the region, tap ⋮ **> Settings > Regional Band**.

CHOOSE FROM THE FOLLOWING OPTIONS:

- To manually tune a frequency, tap ◁ or ▷.
- To scan the radio stations automatically, tap ⋮ **> Scan**, and select your preferred topic from the list.
- To view all the available channels, tap ⋮ **> All Channels**.
- To add the current radio station to your favourites list, tap and hold ⊞.
- To mute the FM Radio, tap 🔊.
- To turn off the radio, tap ⏻, and press the **Back** button to exit the app.

RECORDING THE FM RADIO

To start recording the radio:

- To start recording, tap ● or ⋮ **> Start recording**.
- To stop recording, tap ● or ⋮ **> Stop recording**.

The recorded file will be automatically saved.

USING GOOGLE SERVICES

You must sign in to a Google account to use **Gmail**, **Google Calendar**, and to download and use other Google apps.

CREATING A GOOGLE ACCOUNT

If you chose not to create a Google account during set up, it's easy to create one:

1. Tap ^ **> Settings** ⚙.
2. Tap **Users & accounts > Add account**.
3. Tap **Google**, then follow the on-screen instructions.

USING GMAIL

During set-up, you may have configured your device to an existing Gmail account. The first time you open the **Gmail** app on your phone, your Inbox will contain the messages from this account.

OPENING GMAIL

Tap ^ **> Gmail** M.

SWITCHING BETWEEN ACCOUNTS

Tap the account selection box in the top left of the screen, then tap the account you want to view.

CREATING AND SENDING AN EMAIL

1. On the Inbox screen, tap ✎.
2. Enter the message recipient's email address in the **To** field.
- To send the email to several recipients, separate the email addresses with spaces.
- To Cc or Bcc other recipients, tap ⌄ to display the **Add Cc/Bcc** fields.
3. Enter the email subject and compose your message.
- If you want to add a picture attachment, tap 📎 **> Attach file**, to select a file.
4. To send, tap ➤.

REPLYING OR FORWARDING EMAIL

1. Select the email on the Inbox screen.
2. Tap **Reply** ↩, Reply all (⋮ **> Reply all**), or Forward (⋮ **> Forward**).

3. Do one of the following:
- To Reply or Reply all, enter your message.
- To Forward, add recipients and add any additional text.
4. Tap .

SEARCHING EMAIL

1. On the Inbox screen, tap .
2. Enter search keywords in the box, tap .

CUSTOMISING YOUR GMAIL SETTINGS

3. On the **Gmail** home screen, tap > **Settings**.
4. Choose **General settings**, or an email account.
5. Tap an option and change the necessary settings.

USING GOOGLE PLAY STORE

Download and install apps and games from the **Play Store** onto your device.

OPENING GOOGLE PLAY STORE

1. Tap > **Play Store** .

NOTE:
When you open Play Store for the first time, you'll be prompted to sign in with your existing Google account. Then follow the on-screen instructions.

SEARCHING FOR APPS

To find apps on the Play Store home screen, you can:

- List apps by category: Tap a category and scroll through.
- Use Search: Enter search keywords in the field, tap .
- To view your installed apps, tap > **My apps & games**.

INSTALLING AN APP

1. Tap > **Play Store** .
2. Tap a category, and then tap the item you want to download for added information.
3. To install the item, tap **INSTALL**.

NOTE:
You can check the progress of a download in the notification panel.

UNINSTALLING AN APP

1. On the **Play Store** home screen, tap > **My apps & games**.
2. Select tab **INSTALLED**.
3. Choose the app you want to uninstall and tap **UNINSTALL**.
4. Tap **OK** to remove the app from your device.

NOTE:
Apps can also be managed by going to the main phone **Settings** > **Apps & notifications**. They can also be uninstalled directly from the Home Screen/App drawer by holding your finger on the app and dragging it up to **Uninstall**.

SYNCHRONISING INFORMATION

Some apps (for example, **Gmail)** on your Cat S61 provide access to the same information that you can add, view and edit on your PC. If you add, change or delete information in any of these apps on the PC, the updated information will also appear on your device.

This is made possible through over-the-air data synchronisation. The process occurs in the background and does not interfere with your device. When your device is synchronising, a data synchronisation icon will be shown in the notification bar.

MANAGING YOUR ACCOUNTS

You can synchronise contacts, email and other information on your device with multiple Google accounts or other accounts, depending on the apps you have installed.

For example, adding a personal Google account means your personal email, contacts, and calendar entries are always available. You can also add a work account, so your work-related emails, contacts and calendar entries are kept separate.

ADDING AN ACCOUNT

1. Tap ^ > **Settings** ⚙.
2. Tap **Users & accounts**. The screen will show your current synchronisation settings and a list of your current accounts.

NOTE:

- In some cases, account details may need to be obtained from your network administrator support. For example, you may need to know the account's domain or server address.

3. Tap **Add account**.
4. Tap the account type to add.
5. Follow the on-screen instructions to enter the required and optional information about your account. Most accounts require a username and password, but the details depend on the kind of account and the configuration of the service to which you are connecting to.
6. When you are finished, your account will be added to the list in the **Users & accounts** settings screen.

REMOVING AN ACCOUNT

An account and all information associated with it can be removed from your device, including email, contacts, settings, and so on. Some accounts however, cannot be removed, such as the first account you signed into on your device. If you attempt to remove certain accounts, be aware that all personal information associated with it will be deleted.

1. On the **Users & accounts** settings screen, tap the account to delete.
2. Tap **REMOVE ACCOUNT**, then again when prompted to confirm.

CUSTOMISING YOUR ACCOUNT SYNCHRONISATION

Background data use and synchronisation options can be configured for all the applications on your device. You can also configure the kind of data synchronised for each account. Some applications, such as **Contacts** and **Gmail**, can synchronise data from multiple applications.

Synchronising is two-directional for some accounts and changes made to the information on your device are made to the copy of that information on the web. Some accounts support only one-way synchronisation and the information on your device is read-only.

CHANGING AN ACCOUNT'S SYNCHRONISATION SETTINGS

1. On the **Users & accounts** settings screen, tap the account.
2. Tap **Account sync**. The data and synchronisation screen will open, displaying a list of information that the account can synchronise.

3. Enable the items you want to sync by:
- Sliding the respective data switch to the right .
- To disable automatic sync, slide the respective data switch to the left .

USING OTHER APPS

USING THE CALENDAR

Use Calendar to create and manage events, meetings and appointments. Depending on your synchronisation settings, the calendar on the device stays in synchronisation with the calendar on the web.

OPENING THE CALENDAR

Tap > **Calendar** to open the app. Tap to display the various view and settings options.

CREATING AN EVENT

1. On any calendar view, tap > **Event**, to start adding an event.
2. Enter the event title, location, or the contacts.
- If there is a time frame for the event, tap the beginning and end date, and times.
- If it is a special occasion such as a birthday or a day-long event, slide the **All-day** switch to the right .
3. Set the time of your event reminder, invite people, set a colour and add any notes or attachments.
4. Once all information is entered and settings are complete, tap **SAVE**.

SETTING AN EVENT REMINDER

1. On any calendar view, tap an event to view its details.
2. Tap to start editing the event.
3. Tap the reminder section to set the reminder for the event.
4. Tap **SAVE** to save it.

USING THE ALARM

You can set a new alarm or modify an existing alarm.

OPENING THE ALARM

Tap > **Clock** > to use your device alarm.

ADDING AN ALARM

1. On the alarm list screen, tap to add an alarm.
2. To set your alarm, do the following:
- Set the hour and minutes by navigating around the dial, tap **OK**.
- To set repeat mode, tap the **Repeat** check box. Tap one or more options.
- To set the ringtone, tap , then select an option.
- If you want your device to vibrate when the alarm sounds, tap the **Vibrate** check box.
- To add an alarm label, tap **Label**. Enter the label, then tap **OK**.

NOTE:
- By default, the alarm is automatically activated.

CALCULATOR

The Cat S61 is equipped with a calculator that has both a standard and advanced mode.

OPENING THE CALCULATOR

1. Tap ^ > **Calculator** to open the app.
2. Swipe left or rotate the device to horizontal to access the Advanced calculator mode.

MANAGING THE DEVICE

To configure your device, tap ^ > **Settings** .

SETTING THE DATE AND TIME

When you first turn on your device, there is an option to update the time and date automatically, using the time provided by your network.

NOTE:
You cannot set the date, time and time zone manually if using the automatic option.
If you wish to set the date and time settings manually, do the following:

1. On the **Settings** screen, tap **System > Date & time**.
2. Slide the **Automatic date & time** or **Automatic time zone** switches to the left to disable the functions.
3. Tap **Set date**, then select the desired date and tap **OK**.
4. Tap **Set time**. On the set time screen, tap the hour or minute field and move the pointer up or down to set the time. Tap OK when the configuration is complete.
5. Tap **Select time zone**, and then select the desired time zone from the list.
6. Enable or disable the **Use 24-hour format** function to switch between 24-hour and 12-hour formats.

CONFIGURING THE PROGRAMMABLE KEY

1. You can assign the Programmable key to perform various functions, in some circumstances while the screen is locked.
2. On the **Settings** screen, tap **Programmable key**.
3. Select the button pressing method. Then select an available function to assign to the key.
4. Tap **OK**.

PERSONALISING THE DISPLAY

ADJUSTING THE SCREEN BRIGHTNESS

1. On the **Settings** screen, tap **Display > Brightness level.**
2. Drag the slider left to make the screen darker, or right to make it brighter.
3. Lift your finger off the slider to save your settings automatically.

Tip: Slide the **Adaptive Brightness** switch to the right to enable the device to automatically adjust the brightness of the screen depending on the light level around you.

AUTO-ROTATE SCREEN

To enable the display to rotate when you turn your device between landscape and portrait, tap **Advanced** and slide the **Auto-rotate** switch to the right .

ADJUSTING THE TIME BEFORE THE SCREEN TURNS OFF

If your device is idle for a period, the screen will turn off to save battery power. To set a longer or shorter idle time:

1. On the **Settings** screen, tap **Display > Advanced > Sleep**.
2. Select the duration you want the screen to be illuminated for before it turns off.

SETTING YOUR RINGTONE

TURNING ON SILENT MODE

- Press and hold the **Volume down** key until appears on the screen.
- All sounds except media and alarms will be silenced.

ADJUSTING THE RINGTONE VOLUME

You can adjust the ringtone volume from the Home Screen, or from any app (except during a call or when playing music or videos). Press the **Volume up/down** key to adjust the ringtone volume to your chosen level. You can also adjust the ringtone volume on the **Settings** screen.

1. On the **Settings** screen, tap **Sound**.
2. In **Ring volume**, drag the slider to adjust the volume level.

CHANGING THE RINGTONE

1. On the **Settings** screen, tap **Sound**.
2. Tap **Phone ringtone**.
3. Select the ringtone you want to use. A preview plays when selected.
4. Tap **OK**.

SETTING THE DEVICE TO VIBRATE FOR INCOMING CALLS

On the **Settings** screen, tap **Sound** and slide the **Also vibrate for calls** switch to the right .

SETTING PHONE SERVICES

TURNING ON DATA ROAMING

1. On the **Settings** screen, tap **Network & Internet > Mobile network**.
2. Slide the **Roaming** switch to the right .

NOTE:

- Remember that accessing data services while roaming may incur considerable additional charges. Check with your network service provider about data roaming fees.

DISABLE DATA SERVICE

1. On the **Settings** screen, tap **Network & Internet > Mobile network**.
2. Slide the **Mobile data** switch to the left .

USING NFC

NFC allows the exchange of data between two NFC-enabled devices, when both devices are either touching or no more than a few centimetres apart.

ACTIVATING THE NFC FUNCTION

1. On the **Settings** screen, tap **Connected devices**.
2. Slide the **NFC** switch to the right .
3. The **Android™ Beam** function will also be enabled automatically.

BEAMING CONTENT VIA NFC

1. Enable the **NFC** and **Android Beam** functions.
2. Open the content to be shared (you can share web content, YouTube videos, contacts and much more)
3. Place the devices back-to-back, when prompted **Tap to beam**, tap your screen.

PROTECTING THE DEVICE

ENABLE YOUR SIM CARD PIN

1. On the **Settings** screen, tap **Security & location > SIM card lock**.
2. Slide the **Lock SIM card** switch to the right .
3. Enter the SIM card PIN, then tap **OK**. To change the SIM card PIN at any time, tap **Change SIM PIN**.

NOTE:

You can dial emergency numbers any time from your device.

PROTECTING THE DEVICE WITH A SCREEN LOCK

To keep the data on your Cat S61 more secure you can use a screen lock method.

1. On the **Settings** screen, tap **Security & location > Screen lock**.
2. Select the one of the available options.
   - Swipe: Swipe the lock icon up to unlock the screen.
   - Pattern: Trace the correct unlock pattern to unlock the screen.
   - PIN: Enter a PIN number to unlock the screen.
   - Password: Enter a password to unlock the screen.
3. Follow the on-screen instructions to complete the set-up of your chosen screen lock method.

ACTIVATING WATERPROOF/DUSTPROOF WARNING ANIMATION

Use this option to enable the warning animation.

1. On the **Settings** screen, tap **Display > Advanced**.

Slide the Waterproof/Dustproof switch to the right to enable the warning animation. It will appear on the screen every time the cover is opened.

MANAGING APPS

VIEWING AN INSTALLED APP

1. On the **Settings** screen, tap **Apps & notifications**.
2. In the apps list, do any of the following:
   - Tap an app to view its details directly.
   - Tap **Notifications** to configure the notification settings.
   - Tap **App permissions** to adjust what information the app can access.
   - Tap **Advanced > Default apps** to set, or clear default apps.
   - Tap **Emergency alerts** to change your emergency alert settings.
   - Tap **Special app access** to configure which apps can access special features listed here.

REMOVING AN INSTALLED APP

1. On the **Settings** screen, tap **Apps & notifications**.
2. Tap an app, and then tap **UNINSTALL > OK** to remove the app from your device.

NOTE:

- Pre-installed apps cannot be deleted.

RESETTING THE DEVICE

BACKING UP PERSONAL SETTINGS

Your personal settings can be backed up to Google servers with a Google account. If you replace your device, the backed-up settings will be transferred onto a new device the first time it is signed into from a Google account.

1. On the **Settings** screen, tap **System > Backup**.
2. Slide the **Back up to Google Drive** switch to the right .

RESTORING FACTORY DATA

If you restore the factory data, your device will reset to the settings that were configured at the factory. All of your personal data from the internal device storage, including account information, the system and application settings, and any downloaded applications will be erased.

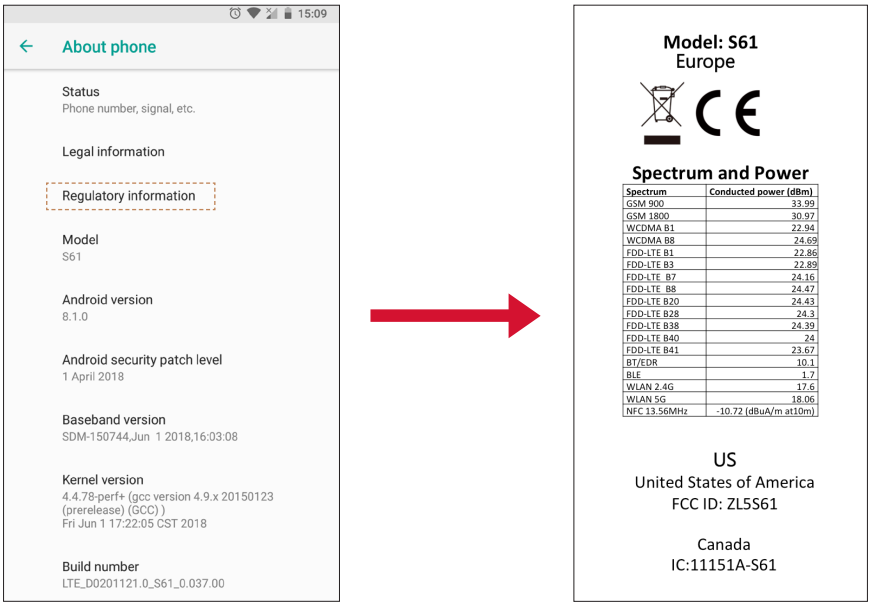
Resetting your device does not erase any system software updates that have been downloaded or any files on a microSD card, such as music or photos.

1. On the **Settings** screen, tap **System > Reset options > Erase all data (factory reset)**.
2. When prompted, tap **RESET PHONE**, and then tap **ERASE EVERYTHING**. The device will reset to the original factory settings, and then restart.

VIEWING THE E-LABEL

To view the regulatory information on your device, do the following:

1. From the Home Screen, tap **> Settings**.
2. On the **Settings** screen, tap **System > About phone > Regulatory information**.



APPENDIX

WARNINGS AND PRECAUTIONS

This section contains important information relating to the operating instructions for this device. It also contains information about how to use the device safely. Read this information carefully before using the device.

WATERPROOF CASING

USB and Headset jack covers must be securely in place, to ensure the device is waterproof.

ELECTRONIC DEVICE

Power off this device if you're in a situation where using the device is prohibited. Do not use your device if it could cause damage or interference with electronic devices.

MEDICAL DEVICE

Follow rules and regulations set forth by hospitals and health care facilities. Do not use this device when it is prohibited.

Pacemaker manufacturers recommend that a minimum distance of 15 cm be maintained between a device and a pacemaker to prevent potential interference with the pacemaker. If you have a pacemaker, use the device on the opposite side of the pacemaker and do not carry the device in your front pocket.

POTENTIALLY EXPLOSIVE ATMOSPHERE

Power off the device in any area with a potentially explosive atmosphere, and comply with all signs and instructions. Areas that may have potentially explosive atmospheres include the areas where it is advised to turn off a vehicle engine. Triggering of sparks in such areas could cause an explosion or a fire, resulting in bodily injuries or even death. Do not turn on the device at refuelling points such as service stations. Comply with restrictions on the use of radio equipment in fuel depots, storage, and distribution areas, and chemical plants. In addition, adhere to restrictions in areas where blasting operations are in progress. Before using your device, watch out for areas that have potentially explosive atmospheres that are often, but not always, clearly marked. Such locations include areas below the deck on boats, chemical transfer or storage facilities, and areas where the air contains chemicals or particles such as grain, dust, or metal powders. Ask the manufacturers of vehicles using liquefied petroleum gas (such as propane or butane) whether this device can be safely used in their vicinity.

TRAFFIC SECURITY

- Observe local laws and regulations while using this device. In addition, if you need to use the device while driving a vehicle, comply with the following guidelines:
- Concentrate on driving. The first responsibility is to drive safely.
- Do not talk on your device while driving. Use hands-free accessories.
- To make or answer a call, park the vehicle at the road side before using the device.
- RF signals may affect the electronic systems of motor vehicles. For more information, consult the vehicle manufacturer.
- In a motor vehicle, do not place the device over the air bag or in the air bag deployment area. If the air bag was to inflate, the strong force with your device on top could cause serious injury.
- If travelling by aircraft, turn your device to Airplane mode. Using wireless devices in an aircraft may cause danger to the operation of the aircraft and disrupt the wireless telephone network. It may also be considered illegal.

OPERATING ENVIRONMENT

- Do not use or charge this device in dusty, damp, and dirty places or places with magnetic fields. Otherwise, it may result in a malfunction of the circuit.

- The device complies with the RF specifications when the device is used near your ear or at a distance of 1.0 cm from your body. Ensure that the device accessories such as a device case and a device holster are not composed of metal components. Keep the device 1.0 cm away from your body to meet the requirement earlier mentioned.

- On a stormy day with thunder, do not use the device when it is being charged to prevent any danger caused by lightning.

- When on a call, do not touch the antenna. Touching the antenna affects the call quality and results in increasing the power consumption. As a result, the talk time and the standby time are reduced.

- While using the device, observe the local laws and regulations, and respect others' privacy and legal rights.

- Keep the ambient temperature between 0°C and 40°C while the device is being charged. Keep the ambient temperature between 0°C and 45°C for using the device powered by a battery. The device will be functional between -25°C and 55°C but due to the metal sides we do not recommend using the device in temperatures below 0°C or above 45°C without the use of protective gloves.

PREVENTION OF HEARING DAMAGE

Using a headset at high volume can damage your hearing. To reduce the risk of damage to hearing, lower the headset volume to a safe and comfortable level.

SAFETY OF CHILDREN

Comply with all precautions regarding children's safety. Letting a child play with this device or its accessories, which may include parts that can be detached from the device, may be dangerous, as it may present a choking hazard. Ensure that small children are kept away from the device and its accessories.

ACCESSORIES

Choose only batteries, chargers, and accessories approved for use with this model by the device manufacturer. The use of any other type of charger or accessory may invalidate any warranty for the device, may be in violation of local rules or laws, and may be dangerous. Please contact your device retailer for information about the availability of approved batteries, chargers, and accessories in the area.

BATTERY AND CHARGER

- Unplug the charger from the electrical plug and the device when not in use.

- The battery can be charged and discharged hundreds of times before it eventually wears out.

- Use the AC power supply defined in the specifications of the charger. An improper power voltage may cause a fire or a malfunction of the charger.

- If battery electrolyte leaks out, ensure that the electrolyte does not touch skin and eyes. If the electrolyte touches skin or splashes into eyes, wash eyes with clean water immediately and consult a doctor.

- If there is a case of battery deformation, colour change, or abnormal heating while charging, stop using the device immediately. Otherwise, it may lead to battery leakage, overheating, explosion, or fire.

- If the USB power cable is damaged (for example, the cord is exposed or broken), or the plug loosens, stop using the cable at once. Otherwise, it may lead to an electric shock, a short circuit of the charger, or a fire.

- Do not dispose of this device in fire as it may explode. Batteries may also explode if damaged.
- Do not, modify or remanufacture the device; attempt to insert foreign objects into the device; immerse or expose the device to water or other liquids; expose the device to fire, explosion or other hazards.
- Avoid dropping the device. If the device is dropped, especially on a hard surface, and you suspect damage, take it to a qualified service centre for inspection. Improper use may result in a fire, explosion or other hazard.
- Promptly dispose of used devices in accordance with local regulations.
- The device should only be connected to products that bear the USB-IF logo or have completed the USB-IF compliance program.
- When charging, ensure the charger is plugged into an AC mains plug that is in close proximity to the device. The charger must be easy to access.
- The USB power cable is considered as a separate device to the charging adapter.
- Output rating of charger 3.6V~6.0V/3A;6.2V~9.0V/2.0A;9.2V~12.0V /1.5

CAUTION – RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.

CLEANING AND MAINTENANCE

- The charger is not water-resistant. Keep it dry. Protect the charger from water or vapour. Do not touch the charger with wet hands, otherwise it may lead to a short circuit, a malfunction of the device and may cause you an electric shock.
- Do not place your device and charger in places where they can get damaged by impact. Otherwise, it may lead to battery leakage, device malfunction, overheating, fire, or explosion.
- Do not place magnetic storage media, such as magnetic cards and floppy disks, near the device. Radiation from the device may erase the information stored on them.
- Do not leave this device and charger in a place with an extreme high or low temperature. Otherwise, they may not function properly and may lead to a fire or an explosion. When the temperature is lower than 0°C, performance of the battery will be affected.
- Do not place sharp metal objects such as pins near the earpiece. The earpiece may attract these objects and hurt you.
- Before cleaning or maintaining this device, power it off and disconnect from the charger.
- Do not use any chemical detergent, powder, or other chemical agents (such as alcohol and benzene) to clean the device and the charger. Otherwise, parts of the device may be damaged or a fire can be caused. The device can be cleaned with a soft antistatic cloth.
- Do not dismantle the device or accessories. Otherwise, the warranty on the device and accessories is invalid and the manufacturer is not liable to pay for the damage.
- If the device screen is broken by colliding with hard objects, do not touch or try to remove the broken part. In this case, stop using the device immediately, and contact an authorised service centre.

HEARING AID COMPATIBILITY (HAC)

REGULATIONS FOR WIRELESS DEVICES US VARIANT ONLY

This device has been tested and rated for use with hearing aids, with some of the wireless technologies that it uses.

However, there may be newer wireless technologies used in the device that have not been tested yet for use with hearing aids. It is important to try the different features on your device thoroughly and in different locations whilst using a hearing aid or cochlear implant to determine if there is any interfering noise. Consult your service provider or the device manufacturer for information on hearing aid compatibility. If you have any questions about return or exchange policies, consult your service provider or phone retailer.

- The U.S. Federal Communications Commission (FCC) has established requirements for digital wireless mobile devices to be compatible with hearing aids and other hearing assistive devices.

- The wireless telephone industry has developed a rating system to assist hearing device users, reviewing the compatibility of mobile devices with hearing devices.

- The ratings are not guaranteed. Results will vary depending on the user's hearing device and hearing loss. If a user's hearing devices happens to be vulnerable to interference, the user may not be able to use a rated phone device successfully. Testing the mobile device with a hearing device is the best way to evaluate if it is suitable for a user's personal needs.

- The FCC has adopted HAC rules for digital wireless phones. These rules require certain devices to be tested and rated under the American National Standard Institute (ANSI) C63.19-201 hearing aid compatibility standards. The ANSI standard for hearing aid compatibility contains two types of ratings:

- M-Ratings: Phones rated M3 or M4 meet FCC requirements and are likely to generate less interference to hearing devices than mobile devices that are not labelled. M4 is the better/higher of the two ratings.

- T-Ratings: Phones rated T3 or T4 meet FCC requirements and are likely to work better with a hearing device's telecoil ("T Switch" or "Telephone Switch") than unrated phones. T4 is the better/ higher of the two ratings. (Note not all hearing devices have telecoils in them.) The tested M-Rating and T-Rating for this device (FCC ID: ZL5S61), M3 and T3.

EMERGENCY CALL

This device can be used for emergency calls in the service area. The connection, however, cannot be guaranteed in all conditions. The device should not be relied on solely for essential communications.

FCC STATEMENT

- This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

- The antenna(s) used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

NOTE:

- The country code selection is for a non-US model only and is not available to all US models. Per FCC regulation, all WiFi products marketed in the US must be fixed to US operation channels only.

- The device has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur during an installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, you are encouraged to try to correct the interference by one or more of the following measures:
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit, different from that to which the receiver is connected.
- Consult your retailer or an experienced radio/TV technician for help.
- Changes or modifications not specifically approved by the party responsible for compliance could void your authority to operate the equipment.

INDUSTRY CANADA STATEMENT

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:

1. the device may not cause interference, and
2. the device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

1. l'appareil ne doit pas produire de brouillage, et
2. l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

- This Class B digital apparatus complies with Canadian ICES-003; CAN ICES-3(B)/NMB-3(B).

- The device could automatically discontinue transmission in case of absence of information to transmit, or operational failure. Note that this is not intended to prohibit transmission of control or signaling information, or the use of repetitive codes required by the technology.

RADIATION EXPOSURE STATEMENT:

The product complies with the Canada portable RF exposure limit set forth for an uncontrolled environment and is safe for intended operation as described in this manual. The further RF exposure reduction can be achieved if the product is kept as far as possible from the user's body, or if such function is available, the device is set to lower output power.

For body worn operation, the device has been tested and meets the IC RF exposure guidelines for use with an accessory that contains no metal and positions the handset a minimum of 1 cm from the body. Use of other accessories may not ensure compliance with IC RF exposure guidelines.

DÉCLARATION D'EXPOSITION AUX RADIATIONS:

- Le produit est conforme aux limites d'exposition pour les appareils portables RF pour les Etats- Unis et le Canada établies pour un environnement non contrôlé.

- Le produit est sûr pour un fonctionnement tel que décrit dans ce manuel. La réduction aux expositions RF peut être augmentée si l'appareil peut être conservé aussi loin que possible du corps de l'utilisateur ou que le dispositif est réglé sur la puissance de sortie la plus faible si une telle fonction est disponible.

- Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé.

- Cet équipement doit être installé et utilisé avec un minimum de 1.0 cm de distance entre la source de rayonnement et votre corps.

- This device and its antenna(s) must not be co-located or operated in conjunction with any other antenna or transmitter, except tested built-in radios. The County Code Selection feature is disabled for products marketed in the US/Canada.

- Cet appareil et son antenne ne doivent pas être situés ou fonctionner en conjonction avec une autre antenne ou un autre émetteur, exception faites des radios intégrées qui ont été testées. La fonction de sélection de l'indicatif du pays est désactivée pour les produits commercialisés aux États-Unis et au Canada.

RF EXPOSURE INFORMATION (SAR)

- Your Cat S61 meets the government's requirements for exposure to radio waves.

- The device is designed and manufactured to not exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government.

- For body worn operation, your device has been tested and meets the FCC RF exposure guidelines for use with an accessory that contains no metal and positions the handset a minimum of 1 cm from the body. Use of other accessories may not ensure compliance with FCC RF exposure guidelines.

- The SAR limit set by the FCC is 1.6W/kg.

The highest reported SAR values under the FCC regulatory for the phone are listed below:

Head SAR: 1.17 W/kg, Body SAR: 0.84 W/kg, Wireless Router SAR: 1.20 W/kg

To reduce the level of exposure to radiations, please do the following:

(i) use the device in good reception conditions
(ii) use a hand free kit
(iii) for pregnant women, please keep the device away from the stomach
(iv) use the device away from genital parts

PREVENTION OF HEARING LOSS

To prevent possible hearing damage, do not listen at high volume levels for long periods.

CE SAR COMPLIANCE

This device meets the EU requirements (1999/519/EC) on the limitation of exposure of the general public to electromagnetic fields by way of health protection.

The limits are part of extensive recommendations for the protection of the general public. These recommendations have been developed and checked by independent scientific organisations through regular and thorough evaluations of scientific studies. The unit of measurement for the European Council's recommended limit for mobile devices is the "Specific Absorption Rate" (SAR), and the SAR limit is 2.0 W/ kg averaged over 10 gram of tissue. It meets the requirements of the International Commission on Non-Ionizing Radiation Protection (ICNIRP).

For body worn operation, this device has been tested and meets the ICNIRP exposure guidelines and the European Standard EN 62209-2, for use with dedicated accessories. Use of other accessories which contain metals may not ensure compliance with ICNIRP exposure guidelines.

SAR is measured with the device at a separation of 5 mm to the body, while transmitting at the highest certified output power level in all of the device's frequency bands.

The highest reported SAR values under the CE regulatory for the phone are list below:
Head SAR: 0.416 W/kg, Body SAR: 1.594 W/kg

To reduce exposure to RF energy, use a hands-free accessory or other, similar options to keep this device away from your head and body. The device must be carried 5mm from the body to ensure exposure levels remain at or below the as-tested levels. Choose the belt clips, holsters, or other similar body-worn accessories which do not contain metallic components to support operation in this manner. Cases with metal parts may change the RF performance of the device, including its compliance with RF exposure guidelines in a manner that has not been tested or certified. Thus use of such accessories should be avoided.

DISPOSAL AND RECYCLING INFORMATION

This symbol on the device (and any included batteries) indicates that they should not be disposed of as normal household garbage. Do not dispose of the device or batteries as unsorted municipal waste. The device (and any batteries) should be handed over to a certified collection point for recycling or proper disposal at the end of their life.

For more detailed information about the recycling of the device or batteries, contact your local city office, the household waste disposal service, or the retail store where you purchased this device.

The disposal of the device is subject to the Waste from Electrical and Electronic Equipment (WEEE) directive of the European Union. The reason for separating WEEE and batteries from other waste is to minimise the potential environmental impacts on human health from any of the hazardous substances that may be present.

REDUCTION OF HAZARDOUS SUBSTANCES

This device is compliant with the EU Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) Regulation (Regulation No 1907/2006/EC of the European Parliament and of the Council) and the EU Restriction of Hazardous Substances (RoHS) Directive (Directive 2011/65/EU of the European Parliament and of the Council). For more information about the REACH compliance of the device, visit the Web site www.catphones.com/certification. It is recommended to visit the Web site regularly for up-to-date information.

EU REGULATORY CONFORMANCE

Hereby, Bullitt Mobile Ltd. declares that the radio equipment type S61 is compliant with Directive 2014/53/EU. The full EU declaration of conformity is available here: https://www.catphones.com/support/s61-support

EU COMPLIANCE STATEMENT

This device is restricted to indoor use only when operating in the 5150 to 5350 MHz frequency range. Restrictions in: Belgium (BE), Bulgaria (BG), Czech Republic (CZ), Denmark (DK), Germany (DE), Estonia (EE), Ireland (IE), Greece (EL), Spain (ES), France (FR), Croatia (HR), Italy (IT), Cyprus (CY), Latvia (LV), Lithuania (LT), Luxembourg (LU), Hungary (HU), Malta (MT), Netherlands (NL), Austria (AT), Poland (PL), Portugal (PT), Romania (RO), Slovenia (SI), Slovakia (SK), Finland (FI), Sweden (SE), United Kingdom (UK), Switzerland (CH), Norway (NO), Iceland (IS), Liechtenstein (LI) and Turkey (TR).

Google, Android, Google Play and other marks are trademarks of Google LLC; Oreo is a trademark of Mondelez International, Inc. group.

SPECTRUM AND POWER TABLE

Spectrum	Conducted power (dBm)
GSM 900	33.99
GSM 1800	30.97
WCDMA B1	22.94
WCDMA B8	24.69
FDD-LTE B1	22.86
FDD-LTE B3	22.89
FDD-LTE B7	24.16
FDD-LTE B8	24.47
FDD-LTE B20	24.43
FDD-LTE B28	24.3
FDD-LTE B38	24.39
FDD-LTE B40	24
FDD-LTE B41	23.67
BT/EDR	10.1
BLE	1.7
WLAN 2.4G	17.6
WLAN 5G	18.06
NFC 13.56MHz	-10.72 (dBuA/m at10m)

S61 SPECIFICATION

ITEM	SPECIFICATIONS
Operating System	Android 8.1 Oreo™
Processor	QCT SDM630, Octa Core
Memory	• Internal Memory: 64GB eMMC / 4GB RAM LPDDR4 • External Memory: SDXC, Class 10/Ultra high speed/up to 200GB
Cellular Network	**ROW SKU Bands:** • LTE: 1,2,3,5,7,8,19,20,26,28,38,39,40,41 • HSPA: 1,2,5,8 • GSM/GPRS/EDGE: 850,900,1800,1900 **US SKU Bands:** • LTE: 1,2,3,4,5,7,8,12,13,17,25,26,28,29,66 • HSPA: 1,2,4,5,8 • GSM: 850,900,1800,1900 • LTE DL/UL: Cat12 (600Mbps) / Cat13 (150Mbps) • HSPA+ DL/UL: Cat24 (42Mbps) / Cat 7 (11Mbps) • GSM/GPRS/EDGE • VoLTE, VoWiFi, ViLTE, SRVCC, eMBMS
Display	• 5.2”FHD with Capacitive 10 points tap w/ wet finger & glove support, GG5 • IPS display • Brightness: 500 cd/m2
Camera	• Rear Camera: 16MP PDAF w/ Dual LED flash • Front Camera: 8MP FF • FLIR Thermal Camera: 80x60 + SDK
Sensor	Proximity & Light sensor, G-sensor, E-compass, Gyro, Barometer, Air Quality, Humidity/Temp sensor
Connectivity	• Bluetooth 5 • WiFi 802.11 a/b/g/n/ac • GPS, aGPS, GLONASS, iZat, Gaileo, QZSS, SBAS • FM Radio with RDS • NFC
Battery	• Type: Non-removable • Size: 4500mAh
Others	• Ingress Protection: IP68 & 69 • Water Proof: 3m • Drop Test: 1.8m • HAC M3/T3 • Class II laser assisted measurement
Dimensions	75.8 x 149.8 (157mm from top of ‘FLIR’) x 12.60 mm
Weight	255g

* Design and specifications are subject to change without prior notice.

DECLARATION OF CONFORMITY

MANUFACTURER:

Name:	Bullitt Mobile Limited
Address:	One Valpy, Valpy Street, Reading, Berkshire, England RGI IAR

RADIO EQUIPMENT:

Model:	S61
Object of the Declaration:	Rugged Smart Phone
Software Version:	LTE_D0201121.1_S61
Supplied Accessories and Components:	AC Adapter, USB Cable, Earphone

We, Bullitt Mobile Limited, declare under our sole responsibility that the product described above is in conformity with the relevant Union harmonisation legislations:

RE DIRECTIVE (2014/53/EU), ROHS DIRECTIVE (2011/65/EU)

The following harmonised standards and/or other relevant standards have been applied:

1. HEALTH AND SAFETY (ARTICLE 3.1(a) OF THE RE DIRECTIVE)

- EN 62311:2008, EN 62479:2010
- EN 50360:2017, EN 62209-1:2016
- EN 50566:2017, EN 62209-2:2010
- EN 60950-1:2006/A11:2009+A1:2010+A12:2011+A2:2013

2. ELECTROMAGNETIC COMPATIBILITY (ARTICLE 3.1 (b) OF THE RE DIRECTIVE)

- EN 301 489-1 V2.1.1, Final Draft EN 301 489-3 V2.1.1
- EN 301 489-17 V3.1.1, Draft EN 301 489-19 V2.1.0, Draft EN 301 489-52 V1.1.0
- EN 55032:2015/AC:2016 Class B, EN 55035:2017
- EN 61000-3-2:2014 Class A, EN 61000-3-3:2013

3. RADIO FREQUENCY SPECTRUM USAGE (ARTICLE 3.2 OF THE RE DIRECTIVE)

- EN 301 511 V12.5.1
- EN 301 908-1 V11.1.1, EN 301 908-2 V11.1.2, EN 301 908-13 V11.1.2
- EN 300 328 V2.1.1, EN 301 893 V2.1.1
- Draft EN 300 440 V2.2.0
- EN 303 413 V1.1.1
- EN 300 330 V2.1.1
- Final Draft EN 303 345 V1.1.7

4. RoHS DIRECTIVE (2011/65/EU)

- EN 50581:2012

The notified body (Name: CETECOM GmbH, ID: 0680) performed the conformity assessment according to Annex III, Module B of the Radio Equipment Directive 2014/53/EU and issued the EU-type examination certificate (Ref. No.: M18-0490-01-TEC) covering the essential requirements of article(s) 3.1a, 3.1b, 3.2.

Signed for and on behalf of: Bullitt Mobile Limited
Place: One Valpy, Valpy Street, Reading, Berkshire, England RG1 1AR, Date: April 30, 2018

Name: Wayne Huang, Function: Director of ODM Management,

Signature:

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